

GAPDS Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GAPDS.

Catalog # AT2153a

Product Information

Application	WB, IHC, E
Primary Accession	O14556
Other Accession	BC036373
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	2E3-2E10
Calculated MW	44501

Additional Information

Gene ID	26330
Other Names	Glyceraldehyde-3-phosphate dehydrogenase, testis-specific, Spermatogenic cell-specific glyceraldehyde 3-phosphate dehydrogenase 2, GAPDH-2, Spermatogenic glyceraldehyde-3-phosphate dehydrogenase, GAPDHS, GAPD2, GAPDH2, GAPDS
Target/Specificity	GAPDS (AAH36373, 1 a.a. ~ 408 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	GAPDS Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

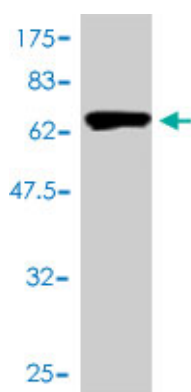
Background

This gene encodes a protein belonging to the glyceraldehyde-3-phosphate dehydrogenase family of enzymes that play an important role in carbohydrate metabolism. Like its somatic cell counterpart, this sperm-specific enzyme functions in a nicotinamide adenine dinucleotide-dependent manner to remove hydrogen and add phosphate to glyceraldehyde 3-phosphate to form 1,3-diphosphoglycerate. During spermiogenesis, this enzyme may play an important role in regulating the switch between different energy-producing pathways, and it is required for sperm motility and male fertility.

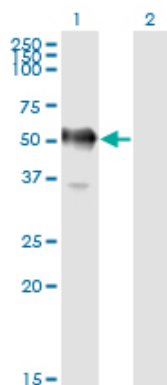
References

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Images



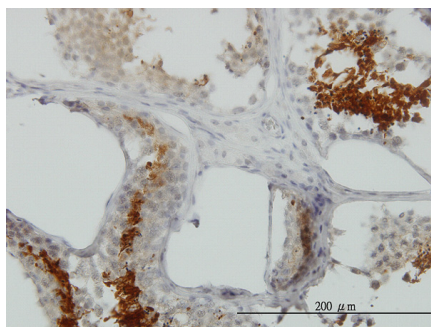
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (70.62 KDa) .



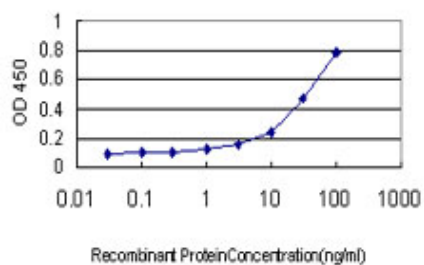
Western Blot analysis of GAPDH expression in transfected 293T cell line by GAPDH monoclonal antibody (M01), clone 2E3-2E10.

Lane 1: GAPDH transfected lysate (44.5 KDa).
Lane 2: Non-transfected lysate.

Immunoperoxidase of monoclonal antibody to GAPDH on formalin-fixed paraffin-embedded human testis.



[antibody concentration 1.5 ug/ml]



Detection limit for recombinant GST tagged GAPDHS is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.